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Serial No. 07/136,920 filed December 21, 1987 and now abandoned; and
which is a continuation-in-part application of U.S. Serial No. 06/922,155
filed October 23, 1986 and now abandoned. The disclosures of Serial No.
07,136,920 and 06/922,155 are incorporated herein by reference.

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IN THE CLAIMS:

Please amend claims 43-45 as follows:

43. (Amended) A method for detecting a target polynucleotide contained in a
sample comprising the steps of:

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- (a) contacting the sample with a first support which binds to the target
polynucleotide;
 - (b) substantially separating the first support and bound target polynucleotide
from the sample;
 - (c) amplifying the sample with a DNA polymerase;
 - (d) contacting the amplified target polynucleotide with a second support which
binds to the amplified target polynucleotide and also with a labeled probe which binds to the
amplified target polynucleotide; and
 - (e) detecting the presence of the amplified target polynucleotide.

44. (Amended) A kit for detecting a target polynucleotide contained in a sample
comprising:

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- (a) means for substantially separating the target polynucleotide from
the sample;
 - (b) means for amplifying the target polynucleotide;
 - (c) means for binding the amplified target polynucleotide to a solid
[medium] support; and
 - (d) means for labeling the amplified target polynucleotide.